

**D 50853**

**(Pages : 2)**

**Name** .....

**Reg. No.** .....

**FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2013**

**(UG—CCSS)**

**Microbiology (Core Course)**

**MB 5B 12—FOOD AND AGRICULTURAL MICROBIOLOGY**

**Maximum : 30 Weightage**

Time : Three Hours

**Section A**

*Answer **all** twelve questions.*

1. \_\_\_\_\_ is commonly known as dairy mold.
2. Cheese with eyes is \_\_\_\_\_
3. Method of preservation by dehydration under vacuum is \_\_\_\_\_
4. Full form of GRAS is \_\_\_\_\_
5. Micro-organism which has a dominant role in the production of Sauer **Kraut** is \_\_\_\_\_
6. The process of increased growth of **phytoplanktons** in the water bodies is called \_\_\_\_\_
7. The method of composting using earth worms is called \_\_\_\_\_
8. The relation between two organisms in which one species is harmed or inhibited while the other is unaffected is \_\_\_\_\_
9. \_\_\_\_\_ forms root nodules.
10. Example for a algae used as a source of single cell protein is \_\_\_\_\_
11. Red iron containing protein which has a role in nitrogen fixation is \_\_\_\_\_
12. Rhizosphere effect is a type of \_\_\_\_\_ interaction.

(12 x  $\frac{1}{4}$  = 3 weightage)

**Section B**

*Answer all the **nine** questions in one **or** two sentences.*

Comment on :

13. Why?
14. Good Manufacturing Practice.
15. Amensalism.
16. Thermal death time.
17. VAM.
18. Renin.

**Turn over**

- 19 Citrus Canker.
- 20 Geosmin.
- 21 Nif-gene.

(9 x 1 = 9 weightage)

### Section C

*Answer briefly any **five** questions.*

Write Short Notes on :

- 22 SCP.
- 23 Mycotoxins.
- 24 Mycorrhiza.
- 25 GMO.
- 26 Cheese.
- 27 Microbial inoculants and **their importance.**
- 28 Spoilage of **Milk.**

(5 x 2 = 10 weightage)

### Section D

*Answer any two questions in detail.*

- 29 Elaborate on nitrogen **fixing micro-organism.**
- 30 Describe in detail the** various **bacterial diseases of plants.**
- 31 Describe the various food borne infections.

(2 x 4 = 8 weightage)